

# ILLUSTRATIVE FIELD TRIP MENU

\*\*\*NOTE: We select lessons based on your district science curriculum unit at the time of the visit.  
We modify lesson design to prevent being repetitive as students advance in grade.

**Water Cycle Game** – Travel through the Water Cycle as a single “Drop” and learn about climate, evaporation, condensation, precipitation, transpiration, sublimation, infiltration, sublimation, perspiration, exhalation and urination.

**Earth Layers, Rock Cycle & Soil** – Learn about the core, mantle crust, bedrock, subsoil, topsoil, sand, silt clay, igneous, metamorphic, sedimentary rocks and soil painting. Using sand create mountains, plateaus, valleys, canyons and plains while learning about erosion and fast and slow changes to the Earth’s crust.

**Forms of Energy** – Explore kinetic, potential, chemical, thermal, electrical, mechanical, sound, electromagnetic (light) and elastic energy with Rubber Band Balls.

**Wind Turbines and the Scientific Method** – Conduct an experiment with electricity to determine if 3, 5 or 9 blade wind turbines create more energy. Voltmeters and anemometers.

**Solar System** – Create a scale model solar system, 1 inch= 1 million miles, learn about rotation, revolution, seasons, day length, sunrise, sunset, lunar New Year and phases of the moon.

**Plant Life Cycles & Seasonal Changes** – Seeds, roots, stems, leaves, flowers fruits, cones, annuals, biennials, perennials, climate and adaptations all packaged in a Seed Necklace.

**Properties of Matter** – Molecules, solids, liquids and gases. Bags of water and sharp pencils.

**Animal Classification** – Play a Linnaeus inspired sorting game and distinguish the difference between omnivores, carnivores, herbivores, Mammals, Reptiles, Amphibians, Bird, Fish.

**Seed Bombs** – Learn about the basic needs of living things, soil, and guerilla planting.

**Catapults and the Scientific Method** – Using rubber bands, craft sticks and the scientific we explore force, lever and load.

**Storytime Based Field Trip** - Each field trip features a dance, a Story time, a simple educational lesson, coloring pages and a simple make and take craft.

**Monthly Calendar Program Option** – Choose a drop-In public program from our monthly calendar – or let us decide. Drop-In public programs are educational and mischievous.

**Educational Program Design, Historical & Botanical Site Tour** – Learn how we came to be and why we are the way we are and why we do what we do. This is primarily for old people (grown-ups)...

